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**Appendix 1. Resource Monitoring Plan for Land Retirement Demonstration**  
**Project Lands Western Fresno County**  
**APPENDIX B - Tiered Contamination Monitoring Chart for the Land Retirement Demonstration Project**

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Tiered Classification of Contaminant Monitoring Needs For The  
CVPIA Land Retirement Program

<b>If</b>		<b>Then</b>			
shallow ground water is	and selenium concentration is	considered for NWR	ground water monitoring	biota monitoring	Tiered Classification
0 - 7 ft	>50 ppb				
	2-50 ppb				
	<2 ppb				
7 - 15 ft	>50 ppb				
	2-50 ppb				
	<2 ppb				
>15 ft	>50 ppb				
	2-50 ppb				
	<2 ppb				
Y - Yes, Monitoring                                      N - No,                                      P - Possible After Appropriate					

- Class I**     No monitoring is required but baseline groundwater depth and selenium concentrations are appropriate. May be appropriate to use as a reference site for detailed monitoring.
- Class II**    Monitoring of groundwater depth and selenium is required on a periodic basis with baseline data collection on a few biotic components. May be appropriate to use as a reference site for detailed monitoring.
- Class III**   Annual monitoring is required of groundwater depth and selenium along with periodic and baseline data collection on biotic components. Results may trigger Class IV monitoring or additional periodic biota sampling.
- Class IV**    Detailed monitoring of biotic and abiotic components is required on an annual and/or seasonal basis for 5 years or until a representative hydrologic profile (wet year/dry year) is adequately monitored.

\* Applies to Grasslands, Westlands, Tulare, and Kern subareas as defined by SJVDIP. Assumes no tile drains on site. If tile drains are present then ground water at 7-15 ft and <2 ppb becomes Class II.

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Minimum Requirements for the CVPIA Land Retirement Contaminant Monitoring Program\*

Type of Monitoring	Class I	Class II	Class III	Class IV	Comments
Surface Water		B	P	A	If present. Include mercury
Ground water					
Depth	B	P	A	S	
Selenium	B	P	A	A	
Other	B		B	A	
Plants					
Roots					
Vegetative		B	P	A	
Reproductive		B	P	A	
Invertebrates					
Terrestrial		B	P	A	5 composite samples
Aquatic		B	P	A	If present, 5 composite samples
Mammals					
Blood			B	P	III-small mammals IV-predators
Hair/Fur			B	A	
Tissue			B		Depends upon blood or fur results
Birds					
Blood			B		If surface water present
Feathers			B		If surface water present
Eggs			B	A	If surface water present
Reptiles					
Blood				P	
Feces					
Tissue			B	A	Whole body or reproductive organs

\* Actual sampling needs for a given site depends upon resources at risk and those available for sampling. Surface water sampled only if pooled for more than 30 days.

B - Baseline, A - Annual, P - Periodic, S - Seasonal